# CONTENTS OF VOLUME 47

## Number 1


IMMUNOLOGICAL PROBES IN CARDIOVASCULAR DISEASE — Edgar Haber — 1

ASSESSMENT OF HEART NEURONS IN DILATED (CONGESTIVE) CARDIOMYOPATHY — D S Amorim, E G J Olsen — 11

INTERRELATION OF HEART RATE AND AUTONOMIC ACTIVITY IN ASYMPTOMATIC MEN WITH UNOBSTRUCTED CORONARY ARTERIES. STUDIES WITH ATRIAL PACING, ADRENALINE INFUSION, AND AUTONOMIC BLOCKADE — P Taggart, R Donaldson, J Green, S P Joseph, H B Kelly, J Marcomichelakis, D Noble, J White — 19

OPEN AORTIC VALVOTOMY FOR CONGENITAL AORTIC STENOSIS. LATE RESULTS — P Presbitero, J Somerville, R Revel-Chion, D Ross — 26

ATRESIA OF LEFT ATRIOVENTRICULAR CONNECTION. SURGICAL CONSIDERATIONS — D Shore, O Jones, M L Rigby, R H Anderson, C Lincoln — 35

BALLOON ATRIAL SEPTOSTOMY UNDER TWO DIMENSIONAL ECHOCARDIOGRAPHIC CONTROL — L D Allan, R Leanage, R Wainwright, M C Joseph, M Tynan — 41

MYOCARDIAL INFARCT SIZE AND CARDIAC PERFORMANCE AT EXERCISE SOON AFTER MYOCARDIAL INFARCTION — P Grande, A Pedersen — 44

MYOCARDIAL INJURY AFTER PHENYLPROPANOLAMINE INGESTION — P R Pentel, F L Mikell, J H Zavoral — 51

INITIATION OF VENTRICULAR FIBRILLATION OUTSIDE HOSPITAL IN PATIENTS WITH ACUTE ISCHAEMIC HEART DISEASE — A A J Adgey, J E Devlin, S W Webb, H C Mulholland — 55

MISSING CORONARY ARTERY. REVIEW OF TECHNICAL PROBLEMS IN CORONARY ARTERIOGRAPHY RESULTING FROM ANATOMICAL VARIANTS — R M Donaldson, M J Raphael — 62

ISOLATED DISEASE OF LEFT ANTERIOR DESCENDING CORONARY ARTERY. ANGIOCARDIOGRAPHIC AND CLINICAL STUDY OF 218 PATIENTS — N Brooks, M Cattell, K Jennings, R Balcon, M Honey, C Layton — 71

STRONG FAMILY HISTORY AND CIGARETTE SMOKING AS RISK FACTORS OF CORONARY ARTERY DISEASE IN YOUNG ADULTS — J H Chesebro, V Fuster, L R Elveback, R L Frye — 78

COITAL BLOOD PRESSURE IN HYPERTENSIVES. CEPHALGIA, SYNCOPE, AND THE EFFECTS OF BETA-BLOCKADE — S Mann, M W Millar Craig, B A Gould, D I Melville, E B Raftery — 84

PYROPHOSPHATE HEART SCAN IN PATIENTS WITH PROGRESSIVE SYSTEMIC SCLEROSIS — F Duška, P Bradna, J Novák, J Kubíček, J Vižďa, P Kafka, Y Mazurová, V Blaha — 90

CASE REPORTS — 94, 98, 101, 103

CORRESPONDENCE — 107

Number 2


Assessment of Atrioventricular Septal Defects By Two Dimensional Echocardiography
J F Smallhorn, G Tommasini, R H Anderson, F J Macartney 109

Mode of Inheritance of Hypertrophic Cardiomyopathy in Iceland. Echocardiographic Study
I Bjarnason, S Jonsson, T Hardarson 122

Cardiac Work and Myocardial Substrate Extraction in Congestive Cardiomyopathy
D S Thompson, N Naqvi, S M Juul, R H Swanton, P Wilmshurst, D J Coltart, B S Jenkins, M M Webb-Peploe 130

Role of Sympathetic Nervous System in Non-Ischaemic Ventricular Arrhythmias
P Coumel, M D Rosengarten, J-F Leclercq, P Attuel 137

New Prognostic Criteria for Children With Cyanotic Congenital Heart Disease
J S H Tay, W C L Yip 148

Effects of Renal Transplantation on Left Ventricular Size and Function
M Ikäheimo, M Linnaluoto, K Huttunen, J Takkunen 155

Hyponatraemia as a Marker for High Renin Heart Failure
T B Levine, J A Franciosa, T Vrobel, J N Cohn 161

Extent of Myocardial Damage After Open-heart Surgery Assessed From Serial Plasma Enzyme Levels in Either of Two Periods (1975 and 1980)
H A Davids, W Th Hermens, L Hollaar, A van der Laarse, H A Huysmans 167

Case Reports 173, 177, 180, 183

Correspondence 186

Proceedings of the British Cardiac Society 188

Notice 208

## Number 3


ELECTROCARDIOGRAMS AND 13 YEAR CARDIOVASCULAR MORTALITY IN BUSSELTON STUDY
K Cullen, N S Stenhouse, K L Wearne, G N Cumpston 209

AMBULATORY ELECTROCARDIOGRAPHIC RECORDING IN ENDURANCE ATHLETES
M T Viitasalo, R Kala, A Eisalo 213

CARDIAC SEQUELAE OF ACUTE HEAD INJURY
A A McLeod, G Neil-Dwyer, C H A Meyer, P L Richardson, J Cruickshank, J Bartlett 221

ABNORMAL Q WAVES IN RIGHT SIDED CHEST LEADS PROVOKED BY ONSET OF RIGHT BUNDLE-BRANCH BLOCK IN PATIENTS WITH ANTEROSEPTAL INFARCTION
M B Rosenbaum, L A Girotti, J O Lázzari, M S Halpern, M V Elizari 227

HAEMODYNAMIC AND MYOCARDIAL METABOLIC EFFECTS OF CAPTOPRIL IN CHRONIC HEART FAILURE
K Chatterjee, J-L Rouleau, W W Parmley 233

MEASUREMENT OF SERUM C-REACTIVE PROTEIN CONCENTRATION IN MYOCARDIAL ISCHAEMIA AND INFARCTION F C de Beer, C R K Hind, K M Fox, R M Allan, A Maseri, M B Pepys 239

ACUTE CORONARY OCCLUSION DURING CORONARY ANGIOGRAPHY IN TWO CASES. TREATMENT BY TRANSLUMINAL DISOBLITERATION A Cribier, J Berland, G Brunhes, C Richard, B Letac 244

TWO CASES WITH SPONTANEOUS SPASM OF LEFT MAIN TRUNK R Hattori, H Nosaka, M Nobuyoshi 249

NON-INVASIVE ASSESSMENT OF CHANGES IN LEFT VENTRICULAR RELAXATION BY COMBINED PHONO-, ECHO-, AND MECHANOCARDIOGRAPHY
M Mattheos, E Shapiro, P J Oldershaw, R Sacchetti, D G Gibson 253

POSTEXTRASYSTOLIC CHANGES IN SYSTOLIC TIME INTERVALS IN THE ASSESSMENT OF HYPERTROPHIC CARDIOMYOPATHY
M A Stefadouros, M I Canedo, A M Abdulla, E Karayannis, A Baute, M J Frank 261

RELATION OF P-S4 INTERVAL TO LEFT VENTRICULAR END-DIASTOLIC PRESSURE
J N Schapira, R E Fowles, R E Bowden, E L Alderman, R L Popp 270

HANG-OUT TIME OF PULMONARY VALVE IN D-TRANSPOSITION OF GREAT ARTERIES
J C Fouron, M Y Douste-Blazy, G Ducharme, N van Doesburg, A Davignon 277

ANGIO-PATHOLOGICAL APPEARANCES OF PULMONARY VALVE IN PULMONARY ATRESIA WITH INTACT VENTRICULAR SEPTUM. INTERPRETATION OF NATURE OF RIGHT VENTRICLE FROM PULMONARY ANGIOGRAPHY E A Braunlin, A G Formanek, J H Moller, J E Edwards 281

STUDY OF CHILDREN OF PARENTS OPERATED ON FOR CONGENITAL CARDIOVASCULAR MALFORMATIONS A Czeizel, A Pornoi, E Péterffy, E Tarcal 290

CASE REPORTS 294, 298, 301

NOTICES 304

## Number 4


CONDUCTION DEFECTS, VENTRICULAR ARRHYTHMIAS, AND LATE DEATH AFTER SURGICAL CLOSURE OF VENTRICULAR SEPTAL DEFECT — R S Blake, E E Chung, H Wesley, K A Hallidie-Smith — 305

VENTRICULAR SEPTAL DEFECTS. TWO DIMENSIONAL ECHOCARDIOGRAPHIC AND MORPHOLOGICAL CORRELATIONS — G R Sutherland, M J Godman, J F Smallhorn, P Guiterras, R H Anderson, S Hunter — 316

RECOGNITION OF IMPERFORATE ATRIOVENTRICULAR VALVES BY TWO DIMENSIONAL ECHOCARDIOGRAPHY — M L Rigby, D G Gibson, M C Joseph, J C R Lincoln, E A Shinebourne, D F Shore, R H Anderson — 329

ABNORMAL AORTIC VALVE ECHOES IN MITRAL PROLAPSE. ECHOCARDIOGRAPHIC FEATURES OF FLOPPY AORTIC VALVE — J C Rodger, P Morley — 337

STRADDLING ATRIOVENTRICULAR VALVE WITH ABSENT ATRIOVENTRICULAR CONNECTION. REPORT OF 10 CASES — S Y Ho, S Milo, R H Anderson, F J Macartney, A Goodwin, A E Becker, A C G Wenink, L M Gerlis, J L Wilkinson — 344

SERUM MYOGLOBIN AFTER CARDIAC CATHETERISATION — J M McComb, E A McMaster — 353

ARE REGIONS OF ISCHAEMIA DETECTED ON STRESS PERFUSION SCINTIGRAPHY PREDICTIVE OF SITES OF SUBSEQUENT MYOCARDIAL INFARCTION? — M Frais, E Botvinick, D Shosa, W O'Connell — 357

CORONARY BYPASS FOR ACUTE REST ANGINA. 10 YEAR FOLLOW-UP — W R Rogers, D N Wysham — 365

CONTINUOUS CORONARY SINUS AND ARTERIAL pH MONITORING DURING PACING-INDUCED ISCHAEMIA IN CORONARY ARTERY DISEASE — S M Cobbe, P A Poole-Wilson — 369

CARDIOVASCULAR EFFECTS OF PRENALTEROL ON REST AND EXERCISE HAEMODYNAMICS IN PATIENTS WITH CHRONIC CONGESTIVE CARDIAC FAILURE — A C Tweddel, R G Murray, D Pearson, W Martin, I Hutton — 375

EVALUATION OF MILD ACUTE INFECTIOUS MYOCARDITIS — J Heikkilä, J Karjalainen — 381

CASE REPORTS — 392, 397, 400, 404

Number 5


EDITORIAL: CAROTID SINUS SYNCOPE — A Leatham — 409

CAROTID SINUS SYNCOPE TREATED BY PACING. ANALYSIS OF PERSISTENT SYMPTOMS AND ROLE OF ATRIOVENTRICULAR SEQUENTIAL PACING — C A Morley, E J Perrins, P Grant, S L Chan, D J McBrien, R Sutton — 411

ANATOMICAL-EMBRYOLOGICAL CORRELATES IN ATRIOVENTRICULAR SEPTAL DEFECT — Sally P Allwork — 419

EXTRA ECHO SPACES: ULTRASONOGRAPHY AND COMPUTERISED TOMOGRAPHY CORRELATIONS — T Wada, M Honda, S Matsuyama — 430

ECHOCARDIOGRAPHIC FEATURES OF IMPAIRED VENTRICULAR FUNCTION IN DIABETES MELLITUS — Leonard M Shapiro — 439

DETECTION OF ATRIAL SEPTAL DEFECT WITH LEFT-TO-RIGHT SHUNT BY INFERIOR VENA CAVA CONTRAST ECHOCARDIOGRAPHY — G Gullace, M T Savoia, P Ravizza, M Knippel, C Ranzi — 445

ECHOCARDIOGRAPHIC ABNORMALITIES OF TRICUSPID VALVE MOTION IN PULMONARY EMBOLISM — T Iwasaki, M Tanimoto, T Yamamoto, S Makihata, Y Kawai, S Yorifuji — 454

APEX TWO DIMENSIONAL ECHOCARDIOGRAPHY. ALTERNATIVE APPROACH TO QUANTIFICATION OF ACUTE MYOCARDIAL INFARCTION — C A Visser, G Kan, K I Lie, A E Becker, D Durrer — 461

SCIMITAR SYNDROME IN INFANCY. ROLE OF EMBOLISATION OF SYSTEMIC ARTERIAL SUPPLY TO RIGHT LUNG — D F Dickinson, R W Galloway, R Massey, R Sankey, R Arnold — 468

HOMOGRAFT REPLACEMENT OF AORTIC ROOT WITH REIMPLANTATION OF CORONARY ARTERIES. RESULTS AFTER ONE TO FIVE YEARS — J Somerville, D Ross — 473

PREVALENCE OF ISCHAEMIC HEART DISEASE AND ASSOCIATIONS WITH SERUM LIPOPROTEINS IN SUBJECTS AGED 45 TO 64 YEARS. THE SPEEDWELL STUDY — D Bainton, C J Burns-Cox, P C Elwood, B Lewis, N E Miller, K Morgan, P M Sweetnam — 483

HAEMOSTATIC FACTORS ASSOCIATED WITH ISCHAEMIC HEART DISEASE IN MEN AGED 45 TO 64 YEARS. THE SPEEDWELL STUDY — I A Baker, R Eastham, P C Elwood, M Etherington, J R O'Brien, P M Sweetnam — 490

HAEMODYNAMIC EFFECTS OF PREGNANCY IN PATIENTS WITH HEART FAILURE — S Blake, H O'Neill, D MacDonald — 495

CASE REPORTS — 497, 500, 504, 507

CORRESPONDENCE — 511

NOTICES — 512

Number 6


EDITORIAL: QT AND ACTION POTENTIAL DURATION — E M Vaughan Williams — 513

ELECTROPHYSIOLOGICAL EFFECTS OF SOTALOL — JUST ANOTHER BETA BLOCKER? — A W Nathan, K J Hellestrand, R S Bexton, D E Ward, R A J Spurrell, A J Camm — 515

ACUTE PROLONGATION OF MYOCARDIAL REFRACTORINESS BY SOTALOL — David H Bennett — 521

MYOCARDIAL DISARRAY. A CRITICAL REVIEW — A E Becker, G Caruso — 527

EFFECTS OF HISTAMINE TYPE 2 RECEPTOR STIMULATION ON MYOCARDIAL FUNCTION IN NORMAL SUBJECTS — J Watkins, H J Dargie, M J Brown, D M Krikler, C T Dollery — 539

THE ELECTROCARDIOGRAM IN APPARENTLY HEALTHY MEN AND THE RISK OF SUDDEN DEATH — S W Rabkin, F A L Mathewson, R B Tate — 546

PREDICTIVE USE OF ROUTINE 24-HOUR ELECTROCARDIOGRAPHY IN SUSPECTED ADAMS-STOKES SYNDROME. COMPARISON WITH CARDIAC RHYTHM DURING SYMPTOMS — N-J Abdon, B W Johansson, J Lessem — 553

SELF-PREDICTING STRESS TESTS. PREDISCHARGE MODIFIED STRESS TESTING AFTER ACUTE MYOCARDIAL INFARCTION — G Nikolic, T Sugiura, D H Spodick — 559

TWO DIMENSIONAL ECHOCARDIOGRAPHIC ASSESSMENT OF COMMUNICATIONS BETWEEN ASCENDING AORTA AND PULMONARY TRUNK OR INDIVIDUAL PULMONARY ARTERIES — J F Smallhorn, R H Anderson, F J Macartney — 563

M-MODE ECHOCARDIOGRAPHY IN THE DEVELOPING HUMAN FETUS — L D Allan, M C Joseph, E G C A Boyd, S Campbell, M Tynan — 573

CARDIAC DIMENSIONS AND MYOCARDIAL FUNCTION OF INFANTS WITH CONGENITAL HYPOTHYROIDISM. AN ECHOCARDIOGRAPHIC STUDY — J C Fouron, J H Bourgin, J Letarte, J H Dussault, G Ducharme, A Davignon — 584

FAMILIAL HYPERTROPHIC CARDIOMYOPATHY: VECTORCARDIOGRAPHIC FINDINGS IN ECHOCARDIOGRAPHICALLY UNAFFECTED RELATIVES — F Loperfido, R Fioriili, A Digaetano, M di Gennaro, P Santarelli, F Bellocci, E Coppola, P Zecchi — 588

NON-INVASIVE DIAGNOSIS AND ASSESSMENT OF TRICUSPID REGURGITATION AND STENOSIS USING ONE AND TWO DIMENSIONAL ECHO-PULSED DOPPLER — C Veyrat, D Kalmanson, M Farjon, J P Manin, G Abitbol — 596

ATRIAL FIBRILLATION — A MARKER FOR ABNORMAL LEFT VENTRICULAR FUNCTION IN CORONARY HEART DISEASE — R J Kramer, S M Zeldis, R I Hamby — 606

CASE REPORTS — 609, 613, 619

INDEX — 621